WEST Search History

DATE: Thursday, February 14, 2002

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB; PLUR=YES; OP=ADJ			
L6	L5 and polyketide synthase	6	L6
L5	((435/4)!.CCLS. |(6/)!.CCLS.)	3453	L5
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L4	expression library and polyketide synthatase and plurality of species	0	L4
L3	screening a mixture of enzymes	0	L3
L2	expression library and polyketide synthase and plurality of species	0	L2
L1	gene expression library and polyketide synthase and plurality of species	0	L1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 6280926 B1

L6: Entry 1 of 6 File: USPT Aug 28, 2001

US-PAT-NO: 6280926
DOCUMENT-IDENTIFIER: US 6280926 B1

TITLE: Gene expression library produced from DNA from uncultivated microorganisms and methods for making the same

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		

US-CL-CURRENT: 435/4; 435/183, 435/6

ABSTRACT:

Disclosed is a process of screening clones having DNA from an uncultivated microorganism for a specified protein, e.g. enzyme, activity by screening for a specified protein, e.g. enzyme, activity in a library of clones prepared by (i) recovering DNA from a DNA population derived from at least one uncultivated microorganism; and (ii) transforming a host with recovered DNA to produce a library of clones which is screened for the specified protein, e.g. enzyme, activity.

22 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 2. Document ID: US 6168919 B1

L6: Entry 2 of 6 File: USPT Jan 2, 2001

US-PAT-NO: 6168919
DOCUMENT-IDENTIFIER: US 6168919 B1

TITLE: Screening methods for enzymes and enzyme kits

DATE-ISSUED: January 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Encinitas	CA		

US-CL-CURRENT: 435/6; 435/183, 435/252.3, 435/320.1, 435/325, 435/4, 435/91.1, 435/91.4, 435/91.41, 536/23.1, 536/23.2, 536/23.4

ABSTRACT:

Recombinant enzyme libraries and kits where a plurality of enzymes are each characterized by different physical and/or chemical characteristics and classified by common characteristics.

The characteristics are determined by screening of recombinant enzymes expressed by a DNA library produced from various microorganisms. Also disclosed is a process for identifying clones of a recombinant library which express a protein with a desired ctivity by screening a library of expression clones randomly produced from DNA of at least one microorganism, said screeing being effected on expression products of said clones to thereby identify clones which express a protein with a desired activity. Also disclosed is a process of screening clones having DNA from an uncultivated microorganism for a specified protein activity by screening for a specified protein activity in a library of clones prepared by (I) recovering DNA from a DNA population derived from at least one uncultivated microorganism; and (ii) transforming a host with recovered DNA to produce a library of clones which is screened for the specified protein activity.

9 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw. Desc | Image

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☐ 3. Document ID: US 6063561 A

L6: Entry 3 of 6 File: USPT May 16, 2000

US-PAT-NO: 6063561
DOCUMENT-IDENTIFIER: US 6063561 A

TITLE: Polyketide derivatives and recombinant methods for making same

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katz; Leonard	Wheeling	IL		
Stassi; Diane L.	Highland Park	IL		
Summers, Jr.; Richard G.	Appleton	WI		
Ruan; Xiaoan	Lake Bluff	IL		
Pereda-Lopez; Ana	Mundelein	IL		
Kakavas; Stephan J.	Buffalo Grove	IL		

US-CL-CURRENT: 435/4; 435/15, 435/29, 514/29, 536/7.2

ABSTRACT:

The invention provides novel erythromycin derivatives in which methyl groups on the macrolactone ring have been substituted with --H, -Et, and/or --OH and the ethyl side-chain has been substituted with hydroxymethyl or dihydroxycyclohexylmethyl side-chains. The invention also provides reagents such as isolated polynucleotides, vectors comprising the polynucleotides and host cells transformed with the vectors for making the novel compounds. Methods for making the compounds utilizing genetic engineering techniques are also disclosed.

22 Claims, 32 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 36

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw. Desc | Image

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☐ 4. Document ID: US 6060234 A

L6: Entry 4 of 6 File: USPT May 9, 2000

US-PAT-NO: 6060234
DOCUMENT-IDENTIFIER: US 6060234 A

TITLE: Polyketide derivatives and recombinant methods for making same

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katz; Leonard	Wheeling	IL		
Stassi; Diane L.	Highland Park	IL		
Summers, Jr.; Richard G.	Nashotah	WI		
Ruan; Xiaoan	Lake Bluff	IL		
Pereda-Lopez; Ana	Mundelein	IL		
Kakavas; Stephan J.	Buffalo Grove	IL		

US-CL-CURRENT: 435/4; 435/32, 514/29, 536/7.2

ABSTRACT:

The invention provides novel erythromycin derivatives in which methyl groups on the macrolactone ring have been substituted with --H, --Et, and/or --OH. The invention also provides reagents such as isolated polynucleotides, vectors comprising the polynucleotides and host cells transformed with the vectors for making the novel compounds. Methods for making the compounds utilizing genetic engineering techniques are also disclosed.

29 Claims, 44 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 47

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw. Desc | Image

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☐ 5. Document ID: US 5958672 A

L6: Entry 5 of 6 File: USPT Sep 28, 1999

US-PAT-NO: 5958672
DOCUMENT-IDENTIFIER: US 5958672 A

TITLE: Protein activity screening of clones having DNA from uncultivated microorganisms

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Encinitas	CA		

US-CL-CURRENT: 435/4; 435/183, 435/69.1, 536/23.1, 536/23.2

ABSTRACT:

Disclosed is a process of screening clones having DNA from an uncultivated microorganism for a specified protein, e.g. enzyme, activity by screening for a specified protein, e.g. enzyme, activity in a library of clones prepared by (i) recovering DNA from a DNA population derived from at least one uncultivated microorganism; and (ii) transforming a host with recovered DNA to produce a library of clones which is screened for the specified protein, e.g. enzyme, activity.

15 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments KWIC | Draw. Desc | Image

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☐ 6. Document ID: US 5939250 A

L6: Entry 6 of 6 File: USPT Aug 17, 1999

US-PAT-NO: 5939250
DOCUMENT-IDENTIFIER: US 5939250 A

TITLE: Production of enzymes having desired activities by mutagenesis

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Encinitas	CA		

US-CL-CURRENT: 435/4; 435/183, 435/69.1, 536/23.1, 536/23.2

ABSTRACT:

Disclosed is a process for obtaining an enzyme having a specified enzyme activity derived from a heterogeneous DNA population by screening, for the specified enzyme activity, a library of clones containing DNA from the heterogeneous DNA population which have been exposed to directed mutagenesis towards production of the specified enzyme activity. Also disclosed is a process for obtaining an enzyme having a specified enzyme activity by screening, for the specified enzyme activity, a library of clones containing DNA from a pool of DNA populations which have been exposed to directed mutagenesis in an attempt to produce in the library of clones DNA encoding an enzyme having one or more desired characteristics which can be the same or different from the specified enzyme activity.

12 Claims, 0 Drawing figures
Exemplary Claim Number: 1